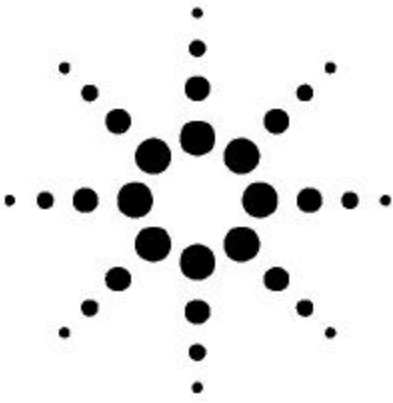


Agilent N2268A Dual 1x4 RF Multiplexer Module

Data Sheet



Input Characteristics

Maximum Scan Rate: 20 Chans./ sec
Maximum Voltage: 30V, DC+AC peak
Maximum Current: 0.5A, DC+AC peak
Maximum Power: Per channel 10W
Characteristic Impedance: 50 Ω

DC Performance

Thermal Offset: <math> < 3\mu\text{V}</math> (<math> < 2\mu\text{V}</math>, typ.)
Initial Closed Channel Resistance: <math> < 1\ \Omega</math>
Insulation Resistance (between terminals): <math> < 40^\circ\text{C}, 50\% \text{ RH}> > 10^{10}\ \Omega</math>

Capacitance

Center-Center: <math> < 0.06\text{pF}</math>
Center-Shield: <math> < 20\text{pF}</math>
Rise Time: <math> < 150\text{psec}</math>
Signal Delay: <math> < 1.5\text{nsec}</math>

AC Performance

Insertion Loss:
1 GHz <math> < 0.9\text{dB}</math>
2 GHz <math> < 1.2\text{dB}</math>
2.5 GHz <math> < 1.4\text{dB}</math>
3.5 GHz <math> < 1.7\text{dB}</math>

Crosstalk (Channel-Channel, Channel-Common):

1 GHz: <math> < -64\text{dB}</math>
2 GHz: <math> < -64\text{dB}</math>
2.5 GHz: <math> < -50\text{dB}</math>
3.5 GHz: <math> < -50\text{dB}</math>

VSWR:

1 GHz: <math> < 1.20</math>
2 GHz: <math> < 1.35</math>
2.5 GHz: <math> < 1.35</math>
3.5 GHz: <math> < 1.35</math>

